

18 May 1956

25X1A5a1

Pratt & Whitney Aircraft Engines
9756 Wilshire Blvd
Beverly Hills, California

Dear Ray:

As a result of my recent conversation with you regarding test of JP-1 fuel, I have ordered two 10,000 gallon samples. They should arrive at Nellis on or about 1 June. I have also provided two 5000 gallon refueling units plus prime movers to haul the fuel from Nellis. These two batches of fuel will be manufactured to a military specification but each will have a different specific gravity. This means therefore that two separate tests should be made.

I have talked to some of Dick's people here who tell us that interested persons at the [REDACTED] have been alerted for the test and will be ready when the fuel arrives.

Ray, I'm sure you have developed your own criteria which you plan to use, but we have talked with some of our technical people who feel we should consider the points listed below in the testing program. I will appreciate it if you will include these in your own criteria and maintain records of the overall tests so that you may give us a complete report and recommendations when the tests have been completed. The points to be included are:

- a. Any unusual maintenance difficulties encountered, such as coking problems? If so, how does the problem compare with those encountered when using LF-1A fuel?
- b. Different operational techniques required, such as throttle manipulations? If different, will it have a detrimental effect on the operation of the aircraft?
- c. Is the engine maintenance cycle increased or decreased? If increased, to what extent?
- d. Is time between engine overhaul increased or decreased? If increased, to what extent?

ORIGINAL OF THIS LETTER WENT THROUGH OUR CHANNELS
TO PO BOX 21 MAY 1956 (REG, AIRMAIL)

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Info Copy for Fred Welsh

25X1A6a

e. Will the fuel allow the aircraft to operate with present engine control settings? If not, can reasonable settings be obtained?

If you run into any problems during this test, please feel free to call me.

Sincerely,

25X1A9a


Colonel, USAF